



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	C	
AKIYA NAKAYAMA, et al.	;	Group Art Unit: 1751	
Application No.: 10/059,168	;		
Filed: January 31, 2002	;	RECE	
For: TRANSPARENT CONDUCTIVE FILM FORMATION PROCESS, PHOTOVOLTAIC DEVICE PRODUCTION PROCESS, TRANSPARENT CONDUCTIVE FILM, AND PHOTOVOLTAIC DEVICE) :) :)	RECEIVEL TC 1700)

Commissioner for Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed below and on the enclosed Form PTO-1449. Copies of the listed documents are enclosed.

Japan 5-343715

Japan 8-32094

Also enclosed is an English-language abstract for Japan 5-343715, which is believed to comply with the concise explanation of relevance, and an English-language translation for Japan 8-32094.

Inasmuch as the subject application has not yet received a first Office Action, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. 1.97(b)(3). Accordingly, the Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialing the appropriate portion of Form PTO-1449.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

Registration No.

FITZPATRICK, CELLA, HARPER & SCINTO

30 Rockefeller Plaza

New York, New York 10112-3801

Facsimile: (212) 218-2200

FORM PTO 1449 (/	·		ATTY DOCKET NO. 03500.016147.	APPLICA	TION NO. 10/0	59,168
	S. DEPARTMENT OF CONTENT AND TRADEMAR REFERENCES CITED BY (Use several) sheets if ner	Y APPLICANT(S)	APPLICANT AKIYA NAKAYAMA, et al.			
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			FOREIGN PATENT DOCUMENTS			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO YES/NO/ OR ABSTRAC
K.N.	5-343715	12/24/93	Japan			Abstrac
K.N.	8-32094	2/2/96	Japan			Yes
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		OTHER DOCUMEN	VT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
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*EXAMINER: Initial If reference considered, whether dinot citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

AKIYA NAKAYAMA, et al.

Application No.: 10/059,168

Filed: January 31, 2002

For: TRANSPARENT CONDUCTIVE FILM FORMATION PROCESS, PHOTOVOLTAIC DEVICE PRODUCTION PROCESS, TRANSPARENT CONDUCTIVE FILM, AND PHOTOVOLTAIC

September 25, 2002

Group Art Unit: 1751

Commissioner for Patents Washington, D.C. 20231

DEVICE

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed below and on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

- (1) U.S. Patent No. 5,510,151
- (2) U.S. Patent No. 5,998,730
- (3) U.S. Patent No. 6,140,570
- (4) Japan 63-456
- (5) Japan 6-116722
- (6) Japan 10-310862
- (7) Japan 11-220154

References (4) to (7) are discussed at pages 2 to 4 of the specification and may be deemed relevant for the reasons given there. English-language abstracts for references (4) to (7) are enclosed. Reference (2) is believed to be an English-language counterpart of reference (6), and reference (3) an English-language counterpart of reference (7). The concise explanation of relevance for each of references (4) to (7) is believed to be satisfied by one of the discussion in the specification, the English-language abstract or the English-language counterpart.

The Examiner's attention is also directed to the following U.S. Application:

APPLICATION NO.	FILING DATE	GROUP ART UNIT		
09/983,427	10/24/2001	2812		

A copy of the cited Application is enclosed.

Inasmuch as the subject application has not yet received a first Office Action, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. 1.97(b)(3). Accordingly, the Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialing the appropriate portion of Form PTO-1449.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. 03500.016147. APPLICATION NO. 10/059,168					
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		APPLICANT ARTA NAKATAMA, et al.	APPLICANT AKIYA NAKAYAMA, et al.				
		FILING DATE January 31, 2002	(SROUP 1751	2823		
			U.S. PATENT DOCUMENTS				
,	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,510,151	04/23/96	Matsuyama et al.	427	509		
	5,998,730	12/07/99	Shiozaki et al.	136	256		
	6,140,570	10/31/00	Kariya	136	256		
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			FOREIGN PATENT DOCUMENTS				
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
	63-456	01/05/88	Japan			Abstract	
,	6-116722	04/26/94	Japan			Abstract	
	10-310862	11/24/98	Japan			Abstract	
	11-220154	08/10/99	Japan	1/		Abstract	
		OTHER DOCUME	NT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)				
EXAMINER Examiner DATE CONSIDERED 04/23/04							
	OF REFE (Use:	DOCUMENT NUMBER DOCUMENT NUMBER DOCUMENT NUMBER DOCUMENT NUMBER DOCUMENT NUMBER DOCUMENT NUMBER 63-456 6-116722 10-310862 11-220154	DOCUMENT DATE DOCUMENT DATE 5,510,151 04/23/96 5,998,730 12/07/99 6,140,570 10/31/00 DOCUMENT DATE DOCUMENT DATE DOCUMENT DATE 1,000 01 F 6 01/05/88 6-116722 04/26/94 10-310862 11/24/98 11-220154 08/10/99	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARN OFFICE OF REFERENCES (ITED BY APPLICANT(S)) FILING DATE January 31, 2002 U.S. PATENT DOCUMENTS DOCUMENT NAME 5,510,151 04/23/96 Matsuyama et al. 5,998,730 12/07/99 Shiozaki et al. 6,140,570 10/31/00 Kariya OTF P 2 2 2002 FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY U.MBERT DATE COUNTRY 10-310862 11/24/98 Japan 11-220154 08/10/99 Japan OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEPARTS OF REFERENCES CITED BY APPLICANT(S) OF REFERENCES CITED BY APPLICANT(S) FILING DATE DOCUMENT NAME CLASS 1,5998,730 12/07/99 Shiozaki et al. 136 6,140,570 10/31/00 Kariya 136 OT F FOREIGN PATENT DOCUMENTS DOCUMENT NAME CLASS TO THE SEP 2 8700 FOREIGN PATENT DOCUMENTS CLASS FOREIGN PATENT DOCUMENTS CLASS TO THE SEP 2 8700 TO THE DOCUMENT SEP 3	U.S. DEPARTMENT OF COMMERCE PARTENT AND TRADEMARY OFFICE PARTENT AND TRADEMARY OFFICE PRESENCES CITED BY APPLICANT(S) (Use several sheets) if necessary) DOCUMENT NAME	

*EXAMINER: Initial if reference considered, whether not distation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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